

REGIONAL VEGETATION LITERATURE. II. RHODE ISLAND

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This bibliography is the second of a series designed to cover at least the continental United States of America. It follows in form and content that established in 'I. Connecticut' (Phytologia 3(1):1-26. 1948), and is restricted to the discipline of regional Vegetation Science as there delimited. References are drawn from such fields as plant ecology, forestry, grazing, wildlife management, soil conservation, and watershed management. The author will be grateful for communications from readers, either in bringing omissions to his attention, or to indicate interest in preparing other units of this bibliography under their own authorships.

Rhode Island is our smallest state, with a land area slightly less than that of Lake Okeechobee in Florida. Its botanical literature is appropriate to its size. Vegetational knowledge is practically non-existent, and is at present to be derived solely from the annotations and comments of workers interested in the flora. Although Rhode Island possesses no great contrasts in landscape, its detailed coast line and its expanses of pitch pine and deciduous forests offer excellent opportunity for pioneering work in the description of plant communities.

The author is indebted to the library staff of the New York Botanical Garden for valuable assistance in the preparation of this number.

State Floras

PTERIDOPHYTA AND SPERMATOPHYTA

1845. *Olney, S. T.* Catalogue of plants collected by the botanical department of Providence Franklin Society, principally in Rhode Island, in 1844, 8p. *Providence: the Society.*

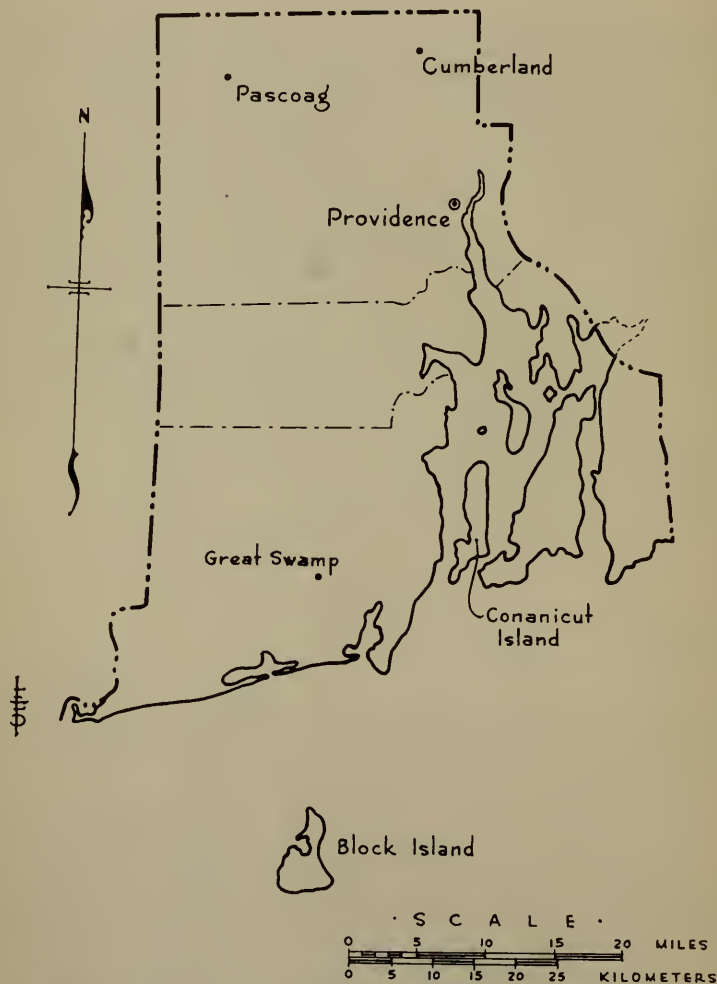
Unannotated list of 737 plants, and corrections; no keys.

1846. *Olney, S. T.* Rhode Island plants, or additions and emendations to the catalogue of plants published by the Providence Franklin Society in March, 1845. *Providence Franklin Soc. Proc.* 1:1-24.

Annotated list of species nos. 738-1009, including cryptogams, raising the total to 942 plants.

1847. *Olney, S. T.* Rhode Island plants, 1846, or additions to the published lists of the Providence Franklin Society. *Providence Franklin Soc. Proc.* 1:25-42.

MAP · OF · RHODE · ISLAND



Annotated list of species nos. 1010-1201, including cryptogams, raising the total to 1128 plants.

- 1885-1888. [Rives, W. C., Jr., W. W. Bailey, et al.] Native plants of the island of Rhode Island. *Newport Nat. Hist. Soc. Proc.* 3:87-89; 4:13-15; 5:32-35; 6:24.

Four unannotated lists from towns of Newport, Middletown, Portsmouth, etc.

- 1885-1886. Russell, L. W. The native trees of Rhode Island. *Random Notes Nat. Hist.* 2:29-30, 36, 45, 55, 58-59, 69-70, 74, 83, 94; 3:6-7, 11-13, 20, 29, 36-37, 44, 53, 74-75, 82-83, 91-92.

Popular accounts of the local kinds of trees.

1888. Bennett, J. L. Plants of Rhode Island, being an enumeration of plants growing without cultivation in the state of Rhode Island, xiii, 128 p. *Providence: Providence Franklin Soc.*

Unannotated list of 3158 plants, including cryptogams; no keys.

1906. Fernald, M. L. Twelve additions to the flora of Rhode Island. *Rho* 8:219-222.

With comments on occurrences of the new species.

1910. Fernald, M. L. Some additions to the Rhode Island flora. *Rho*. 12:216-217.

With comments on occurrences of the new species.

1900. Russell, L. W. The native trees of Rhode Island. *R.I. State Bd. Agric. Ann. Rept. for 1899*:128-160, 19 pl. Reprint, 35 p.

Dendrologic guide of 49 trees; no keys.

1915. Collins, J. F. A key to Rhode Island wild flowers. *Roger Williams Park Mus. Bull.* 7: [16 p.], 1 f.

A dichotomous key.

1915. Madison, H. L. and E. W. Magoon. A key to the wild flowers of Rhode Island, 40 p., 1 illustr. *Providence: the authors.*

Non-technical key; does not include certain rare species; does not separate similar species.

1920. Collins, J. F. Check list of Rhode Island trees, [8 p.]. *Rhode Island Field Naturalists Club.* Rev. 1924.

Two unannotated lists of over 500 common names, and over 200 scientific names, with cross references. Original 1920 list not seen.

1920. [Noble, G. H.] The ferns, fern allies and flowering plants of Rhode Island. A revision of the first fifty-eight pages of James L. Bennett's 'Plants of Rhode Island ... 1888.' 78 p. *Providence: Providence Franklin Society.*
 Unannotated list; no keys, Bibliography of 53 titles. For review, see Fernald, M.L., A misleading addition to the state floras of New England, *Rho.* 24:96-100, 1922.
1921. Collins, J. F. Flora of Rhode Island, with illustrations and keys. Fern genera. Roger Williams Pk. [Providence] Mus. Mem. 1:8 p., illustr. Keys and annotated illustrations. No more published.
1941. Wright, K. E., and D. L. Crandall. Rhode Island ferns. *Torrey* 41:73-75.
 Unannotated list of 55 plants; no keys.
1942. Howland, J. Check list of trees and shrubs in Rhode Island. R. I. St. Coll. [Kingston] Agric. Ext. Min. Circ. 21:33 p.
 Unannotated lists of 675 plants, including cultivated species. Bibliography of 22 titles. 'A revision of a List published ... 1940.'

Vegetation Literature Arranged by Localities

GENERAL

1880. Bailey, W. W. Pine barren plants in Rhode Island. *Bull. Torrey Bot. Club* 7:98.
 Notes on New Jersey pine barren species in southern Rhode Island.
1884. B., J. H. Historical trees of Rhode Island. *Random Notes Nat. Hist.* 1:9, 6, 4. Reprinted from *Providence Journal*, April 17, 1884.
 Notes on large and historical individual trees, many of which were part of the original forest.
1886. Bailey, W. W. Some notes on the flora of Rhode Island. *Newport Nat. Hist. Soc. Proc.* 4:3-12.
 A naturalist's account of interesting species in the state as a whole, and on the major kinds of sites.
1889. Northrop, H. H. Forest changes in Rhode Island. *Garden & Forest* 2:105-106.
 Notes on change from pine and cedar forest of Roger William's time, to contemporary oak scrub, presumably north of Providence.
1889. Russell, L. W. Rare trees of Rhode Island. *Garden & Forest* 2:34.
 Notes on local occurrences of six rare species.

1895. *Bailey, W. W.* Among Rhode Island wild flowers, xi, 105 p., 3 pl. Providence: Preston & Rounds. 2nd ed., 4 pl., 1896.
A popular account, including brief summary of the plants of 9 habitats, and the vegetation of 16 localities.
1902. *Card, F. W.* The forests of Rhode Island. *R.I. Agric. Exper. Sta. Bull.* 88: 39 p., 24 f.
With general description and comments of vegetational interest.
1905. *Spring, S. N.* The natural replacement of white pine on old fields in New England. *U.S.D.A. For. Bull.* 63: 32 p., 11 t, 4 pl, folded colored map.
Origin and distribution of old-field white-pine stands.
1926. *Weston, M. D.* Rhode Island [natural areas and regions].
Pp. 330-332 in *Naturalist's Guide to the Americas*, V.E. Shelford, ed., Baltimore, Williams & Wilkins.
Conspectus of 19 areas of notable vegetation, and of state organizations holding areas of natural vegetation.
1927. *Forbush, E. H.* Birds of Massachusetts and other New England states, 3 vols. *Mass. Dept. Agric.*
Containing a section in volume II on 'The faunal areas of New England', pp. xviii-xxiii, with a map of Canadian, Transition, and Carolinian life zones.
1935. *Bromley, S. W.* The original forest types of southern New England. *Ecol. Monogr.* 5:61-89.
Interpretations of pre-colonial forests, emphasizing frequent fires. With maps of principal forest regions and certain forest types.
1937. *Gilbert, B. E.* A study of land utilization in Washington and Kent Counties, Rhode Island. *R.I. St. Coll. Agric. [Kingston] Exper. Sta. Bull.* 261: 32 p., 12 t, 6 f.
With some data on cover types; southern half of state.
1937. *Raup, H. M.* Recent changes of climate and vegetation in southern New England and adjacent New York. *Journ. Arnold Arbor.* 18:79-117.
Interpretations of the pre-colonial oak-chestnut-hickory forests, by earlier warmer and drier climate.
1939. *Palmer, E. J.* Some woody plants of Rhode Island. *Rho* 41: 314-316.
Notes on collections of unusual species.
1944. *Buttrick, P. L.* The forests of Rhode Island. *Amer. forests* 50: 440-442, 446, 2 f. Repr. [4 p.].

BLOCK ISLAND (Block Is. Quadr. 2, 3, 5, 6)

1893. *Bailey, W. W.* Notes on the flora of Block Island. *Bull. Torrey Bot. Club.* 20:227-231.

Notes on interesting plants.

1893. *Bailey, W. R., and J. F. Collins.* A list of plants found on Block Island, R.I., in July and August. *Bull. Torrey Bot. Club* 20: 231-239.

Unannotated list of 294 vascular plants.

1898. *Hollick, C. A.* Notes on Block Island. *N.Y. Acad. Sci. Annals* 11:55-88, 8 pl.

Primarily geologic, with some botanical notes. 24 plants added to island list. Map of island.

1906. *Hollick, C. A.* An addition to the flora of Block Island. *Torrey* 6:190.

'Numerous specimens of *Botrychium obliquum*.'

CONANICUT ISLAND (Narragansett Bay 8; Newport 2)

1892. *Davis, L.D.* The trees and plants of Conanicut Island. *Newport Nat. Hist. Soc. Proc.* 8:32-42.

General features of flora. Unannotated list of angiosperms.

CUMBERLAND (Franklin 7, 8; Providence 1, 2)

1947. *Palmer, E. J.* Ferns and fern allies of Cumberland, Rhode Island. *Amer. Fern Journ.* 37:33-38.

Annotated list of 40 plants. Diamond Hill St. For. Pk., town of Cumberland, and 'other parts of ... Cumberland'.

GREAT SWAMP (Charlestown 2, 3)

1907. *Reynolds, E. S.* The flora of the Great Swamp of Rhode Island. *hho.* 9: 117-122.

Primarily a list of plants.

1941. *Wright, K. E.* The great swamp. *Torrey* 41:145-150.

Descriptive account of the vegetation.

PASCOAG (Burrillville 1)

1904. *Collins, J. F.* Some interesting Rhode Island bogs.
Rho. 6:149-150.

Notes on unusual plants in a pond near Pascoag.

PROVIDENCE (Providence 4, 5, 7, 8)

1900. *Bailey, W. W.* The old-time flora of Providence. *Rho* 2:213-220.

Notes on the occurrences of interesting species and localities in the period 1828-1837.

1928. *Cormack, M.* Trees and shrubs of Roger Williams Park, 49 p., 38 f., illustr., folded map. *Providence: Roger Williams Park Museum.*

Dendrologic notes, general information, lists, and descriptions of areas in the 431-acre Park. See also Park Museum Bulletins of the Roger Williams Park for popular botanical information.

Vegetation Literature Arranged by Authors

- B., J.H.* 1884. See GENERAL.

- Bailey, W.W.* 1880. See GENERAL.

1886. See GENERAL.

1893. See BLOCK ISLAND.

and *J.F. Collins.* 1893. See BLOCK ISLAND.

1895, 1896. See GENERAL.

1900. See PROVIDENCE.

- Bennett, J.L.* 1888. See STATE FLORAS.

- Bromley, S.W.* 1935. See GENERAL.

- Buttrick, P.L.* 1944. See GENERAL.

- Card, F.W.* 1902. See GENERAL.

- Collins, J.F.* 1893. See Bailey, W.W. ..., BLOCK ISLAND.

1904. See PASCOAG.

1915. See STATE FLORAS.

1920, 1924. See STATE FLORAS.

1921. See STATE FLORAS.

- Cormack, M.* 1928. See PROVIDENCE.

- Crandall, D.L.* 1941. See Wright, K.E. ..., STATE FLORAS

- Davis, L.D.* 1892. See CONANICUT ISLAND.

- Fernald, M.L.* 1906. See STATE FLORAS.

1910. See STATE FLORAS.

1922. See STATE FLORAS, 1920, Prov. Franklin Soc.

- Forbush, E.H.* 1927. See GENERAL.
- Gilbert, B.E.* 1937. See GENERAL.
- Hollick, C.A.* 1898. See BLOCK ISLAND.
1906. See BLOCK ISLAND.
- Howland, J.E.* 1942. See STATE FLORAS.
- Madison H.L., and E.W. Magoon.* 1915. See STATE FLORAS.
- Magoon, E.W.* 1915. See Madison, H.L. ..., STATE FLORAS.
- [*Noble, G.H.*] 1920. See STATE FLORAS.
- Northrop, H.H.* 1889. See GENERAL.
- Olney, S.T.* 1845. See STATE FLORAS.
1846. See STATE FLORAS, 1845. Olney, S.T.
1847. See STATE FLORAS, 1845. Olney, S.T.
- Palmer, E.J.* 1939. See GENERAL.
1947. See CUMBERLAND.
- Raup, H.M.* 1937. See GENERAL.
- Reynolds, E.S.* 1907. See GREAT SWAMP.
- [*Rives, W.C., Jr., W.W. Bailey, et al.*] 1885-1888. See STATE FLORAS.
- Russell, L.W.* 1885-1886. See STATE FLORAS.
1889. See GENERAL.
1900. See STATE FLORAS.
- Spring, S.N.* 1905. See GENERAL.
- Weston, M.D.* 1926. See GENERAL.
- Wright, K.E. and Crandall, D.L.* 1941. See STATE FLORAS.
1941. See GREAT SWAMP.